Naval Supply Systems Command

Shipboard Integration of CaNDI Logistics Support… A Key to Transparency

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Outline

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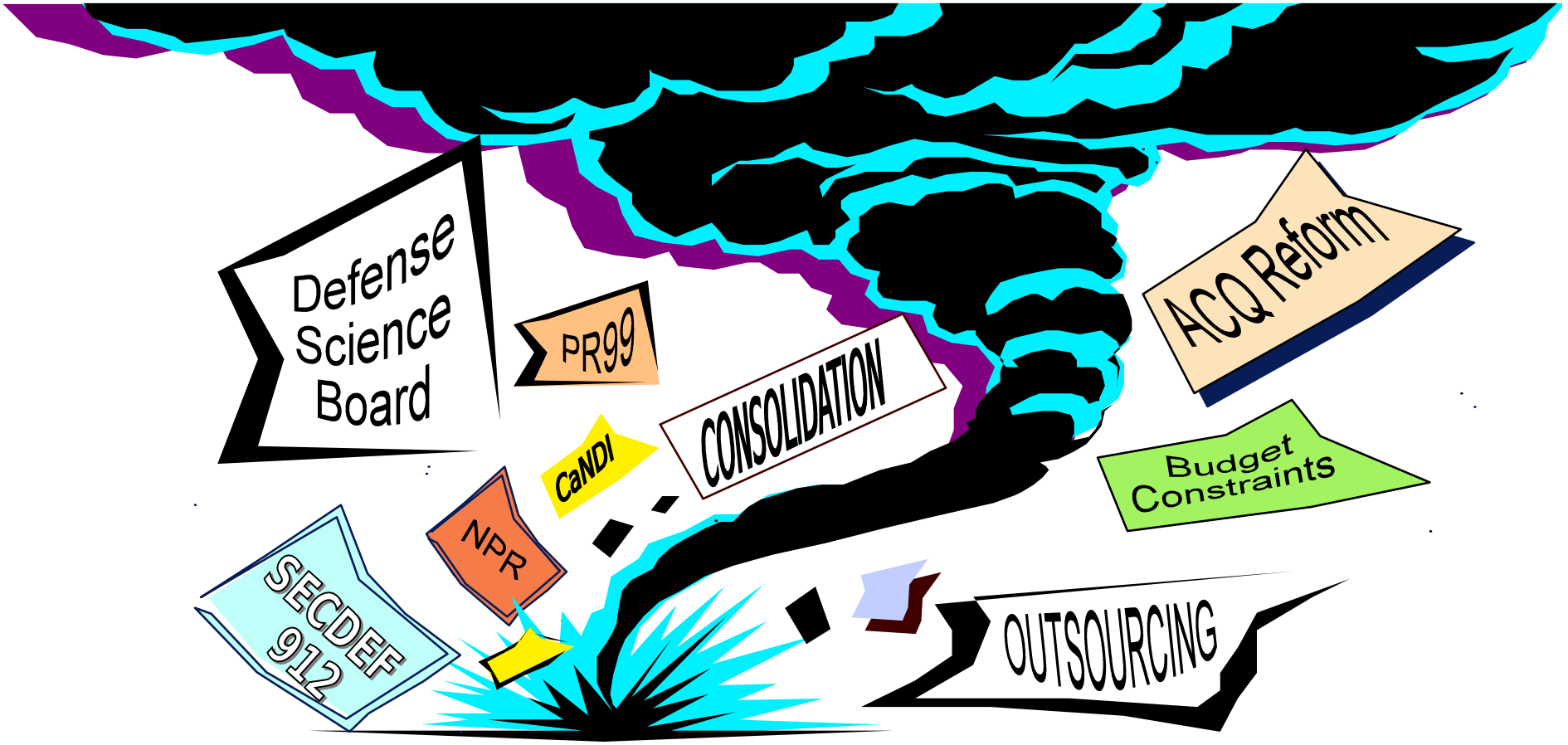
- Current environment
- A la carte support providers
- Shipboard frustrations
- Lessons learned
- Shipboard CaNDI ILS Integration
- Readiness Support Center
- Alternative Logistics Support Office
- Summary

Current Environment



Changing directions...competing pressures

A la carte Solution Providers

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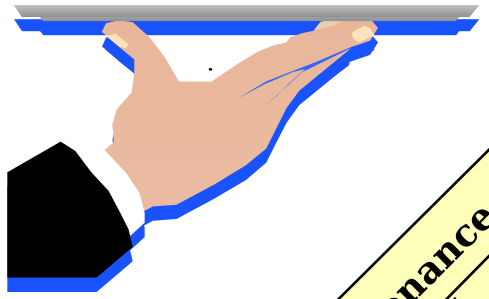
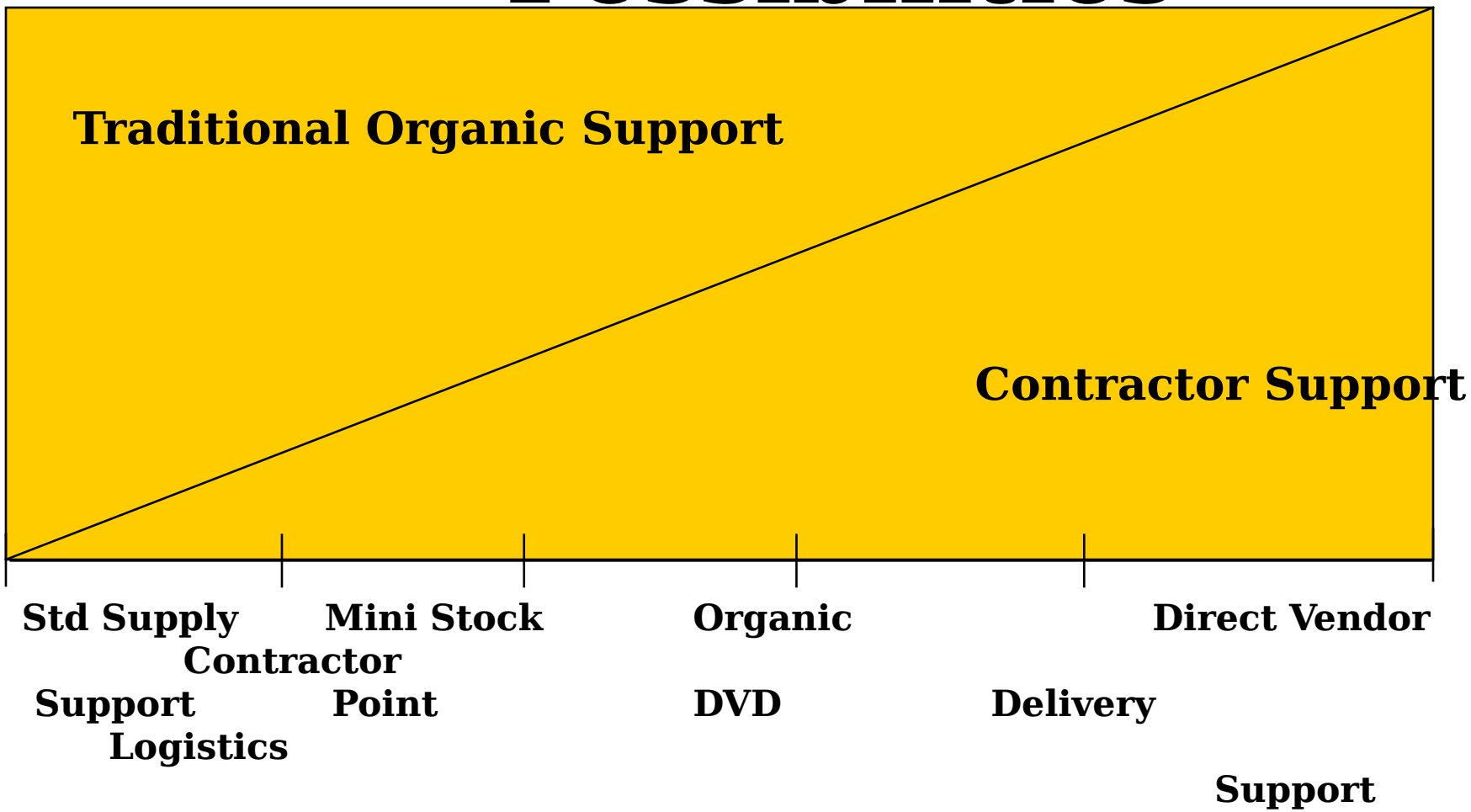


Provider	Maintenance Planning	Supply Support	Support & Test Equip	Training & Training Sppt	Technical Data	Computer Resources Sppt	Packaging Handling Storage	Transportation	Facilities	Manpower & Personnel	Design Interface
USN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
DOD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Industry	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Academia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Partnerships	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Key is in the contract…lower costs, provide readiness

Contractor Logistics Support Continuum of Possibilities



Challen
ges

- Take advantage of commercial infrastructure and
- Shipboard integration of contractor logistics sup
  - ✓Use of existing shipboard systems and procedu
  - ✓Transparent logistics support for Fleet operato
- Rapid pace of commercial item obsolescence, up
- Pass warranty savings to customer
- Incorporation of ISEA capabilities and services

Approaches

- **Commercial and Nondevelopmental Item Support Working Group**
- **Alternative Logistics Support Office**
- **Readiness Support Center**
- **Direct Vendor Delivery**
- **Organic Direct Vendor Delivery**
- **Variable Pricing**

Shipboard Frustrations

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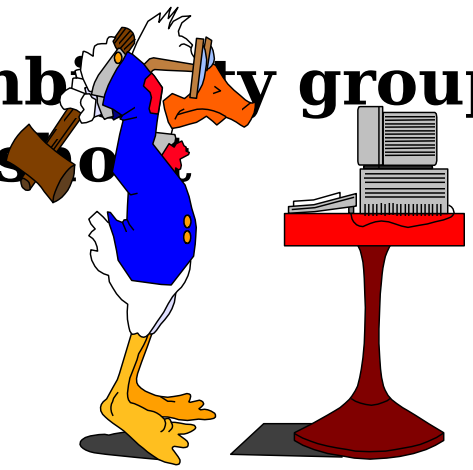
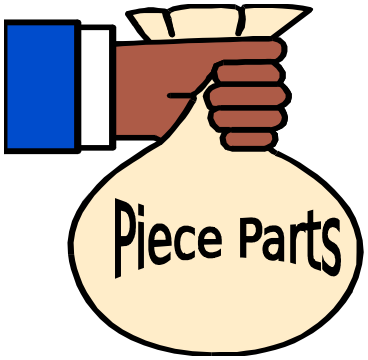
System A: Testing

- Built in test fault isolates to LRU ambiguity group
- Commercial manual doesn't troubleshoot past ambiguity group



Impact: Sailor must test all LRUs



System B: Supply Support

- System provided with parts at installati
- No allowance documentation provided

Impact: No accountability, problems with

Shipboard Frustrations

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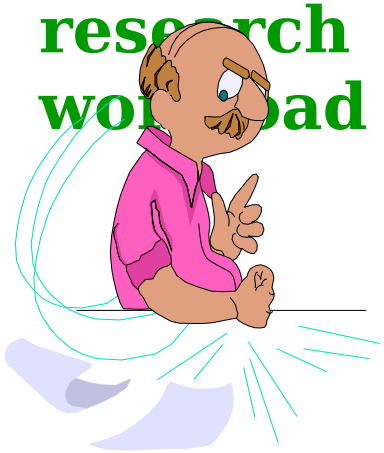
System C: Training

- System installed with “familiarization” training only
- No follow on training identified by installing activity

Impact: No system maintenance training, research
workload burden on ship



System D: Maintenance

- System permanently installed but supported with Pack Up Kit (PUK)
- Fleet issues nonconcurrence with

Lessons Learned

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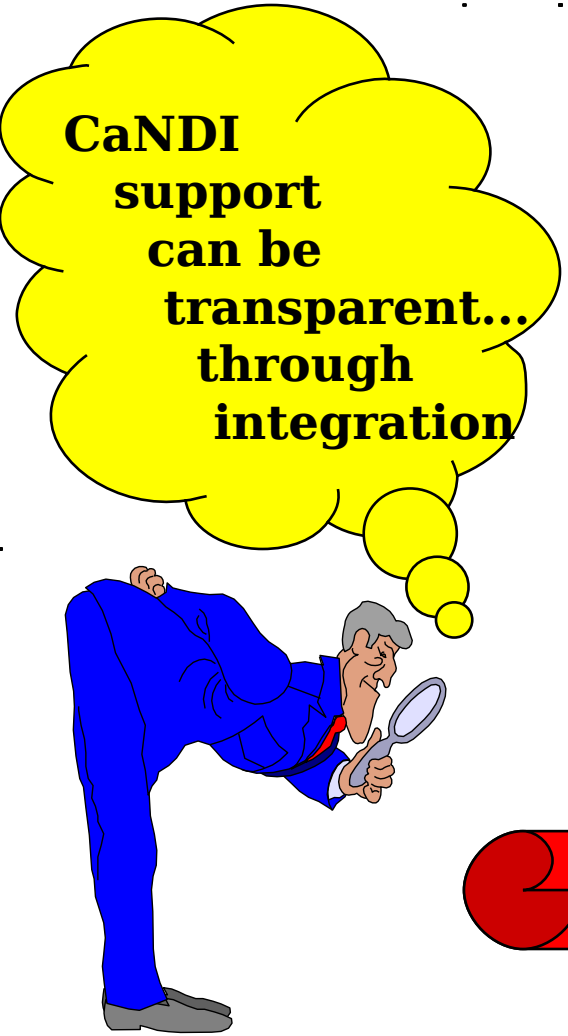

TENETS

I. CANDI REQUIRES CLOSER ILS SCRU

- ILS must be a critical factor in selection

II. GOAL MUST BE TO INTEGRATE TH ON THE PLATFORM...

- Accommodate current systems
- Plan for future systems

Shipboard CaNDI ILS Integratio

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Starts with the market survey and solicitati

1. **Consult SD-2 and SD-5 for guidance**
2. **Identify ALL aspects of the commercia infrastructure:**
   - → **maintenance, training, parts, et cete**
3. **Confirm upgrade incorporation proces**
   - ✓**increased capability**
   - ✓**obsolescence**
   - ✓**warranty support**
   - ✓**back fits**
   - ✓**additional ILS provided with upgrade**

Shipboard CaNDI ILS Integratio

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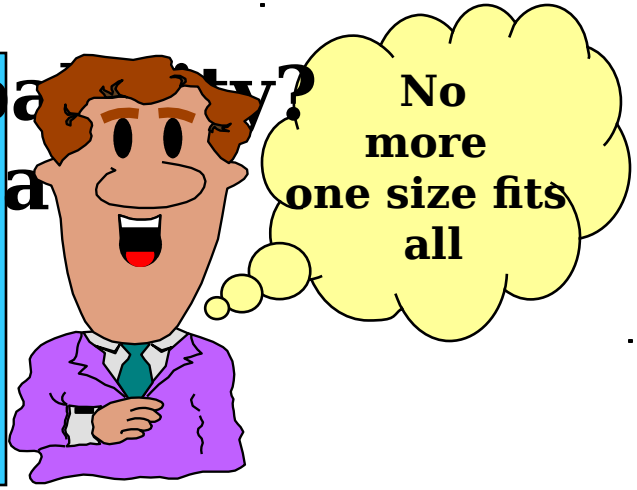
Platform maintenance capa ty?
testing.....fault isola
manning .....skills
repair capability



Repair versus consumable?

- **repair/replace at what level...define LR**
- **existing shipboard inventory...commona**

Consider the tradeoffs to achieve savings

Shipboard CaNDI ILS Integratio

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Technical Manual

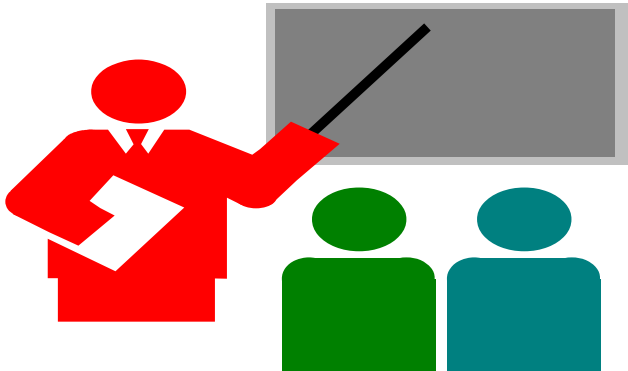
Training

OJT
CBT
ICW
Factory

Initial and follow on...
- •operator and maintainer training
- •maintenance/repair trainin

...supports maintenance phil

- •identify follow on training..
  - -as logistics record
  - include source, schedule
  - poc



Shipboard CaNDI ILS Integrati

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Warranty options:

- **equipment tags and nameplates**
- **allowance documents**
- **logistics records**
- **technical documentation**

Shipboard CaNDI ILS Integratio

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Conduit to the commercial support infra

Parts…

- **standard requisitioning**
- **standard transportation proces**
- **standard reporting systems**
- **standard turn in process**

Linked to…

- **Readiness Support Center (RS**
- **WEB pages…Internet..Intrane**
- **Electronic malls**

NAVSUP P-485 describes shipboard processes

Variable Pricing

- **Develop BCA associated with level of effort for each program**
- **Convert into a percentage…variable surcharge**
- **FY 99 Programs…**
  - ✔**AEGIS, GPETE, SLQ-32, JMCIS and EEBDs**
- **Pass warranty cost avoidance to requisitioning customer…**
  - ▸**FY 00 proposed prototype – IT 21 Computer**

Readiness Support Center Concept

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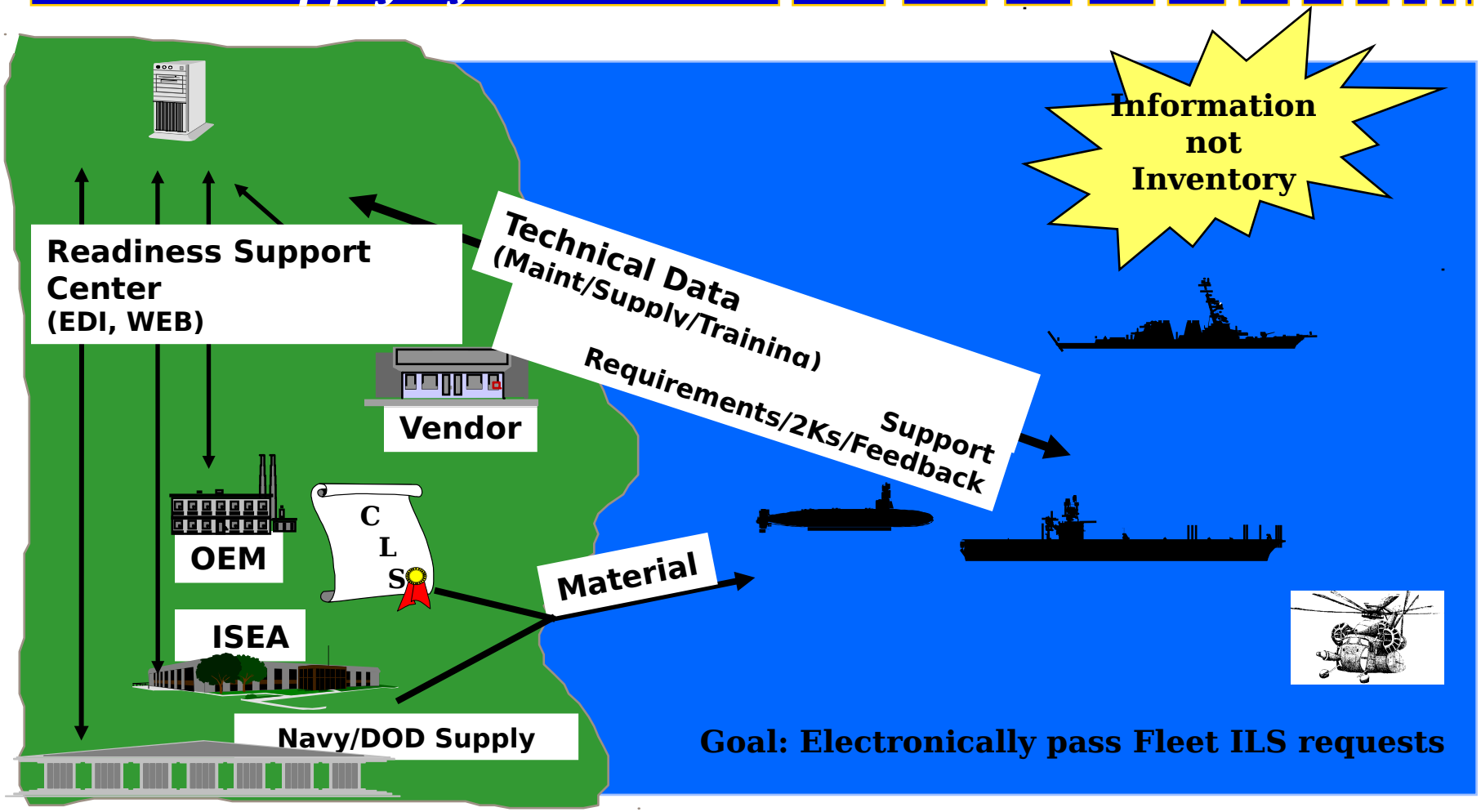

Alternative Logistics Support Office

- **Goals of A.L.S.O. team are to integrate alternative logistics support with current shipboard systems and reduce TOC…**
  - ✓**Facilitate discussions between industry, academia, and Fleet and government**
  - ✓**Develop Statement of Work/Objectives**
  - ✓**Tools: ODVD, DVD, Warranty, Variable Surcharge, LCC**
  - **Quality of Life, Sustainment, also**

Integration of CLS

Creative pricing

Working:
JMCIS
IT 21 Equipment
V-22 Engines
CVX
DD 21

Logistics experts integrating CLS

Summary

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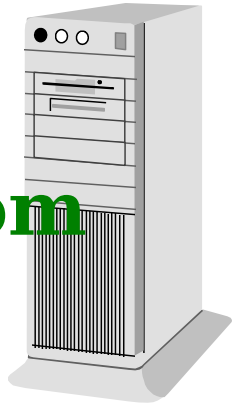
- CaNDI installations continue



- We must continue to learn from fielded equipment
- Don’t discount standard processes to ensu transparency